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This Is What We Like to See

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Meet your photo editor . . .

GEORGE MAGRANE—family man, teacher, and photographer, has contributed a great deal to the JOURNAL in the past year. He supplied cover shots, and a number of other pictures that have been used.

George is a man of convictions. 'I believe in extra-curricular activities after



academics as beneficial to healthy student growth,' says George, who is head track coach at Ottumwa High. Though he also helps with football, Coach Magrane stands for solid study in the classroom. Students in biology get unique opportunity to work in the school greenhouse, and in the newly-designed laboratory for the study of



microbiology and protozoa.

As a family man, George, his wife Janice, two daughters and son enjoy camping. The picture of the Magrane family was taken on the south rim of the Grand Canyon by 9-year old Lisa.

This is what we like to see . . .

Science Congress here to draw 600



Too bad we went to press just as Vern Gunderson of Mason City was putting out his final publicity on the North Central Science Congress. We would like to have had pictures of the fine affair. We'll have them for the April issue.

Vern has done a most amazing job as a Regional Director of ISTA. His long hours of planning will pay off as these who attend the Science Congress take home the scores of new ideas and reports from the living edge of science.

Other Regional Directors have been busy too. George Chapman held an exciting Northeast Regional Conference in November. More about that is described on p. 69.

laws which all matter follows. These laws are manifest in the processes of change on and within the earth. The function of geology, in common with all other sciences, is to discover, test and confirm these universal laws. The dynamic quality of the earth sciences is nowhere more evident than in the awareness of all that is yet to be investigated, clarified, and fit into existing knowledge.

Summary: Basic concepts of earth science which are appropriate for study by junior high school students have been presented in this paper. From the perspective of the specified subject matter which could be used in developing each concept, one may see considerable overlap. This is as it should be. These are not substantive units of study; they are Big Ideas which should always be in the mind of the teacher regardless of which approach he may take to content organization.

Since the use of the local environment and the direct experiences of the students are of greatest importance,

sources of appropriate and useful information should be considered. The State Geological Survey of any state has very specific information about any area in the state and is very co-operative in being of any possible assistance to teachers. There is much free descriptive material and many maps available from any Survey. Such information could be very helpful in planning for collection or observation trips into the field. The Geological Surveys in some states make available upon request small kits containing samples of rocks and minerals typical of those found in the state.

The students themselves are often excellent sources of information, ideas, and materials. The possibility of their having rock collections has already been mentioned. It is very likely that some have made observations near their home or the school which could be of value in the planning of class activities. Other students may have slides or other pictures of landforms which they have seen in the course of family vacations.

"SOMEBODY ELSE"

There's a clever young fellow named
SOMEBODY ELSE.

There is nothing this fellow can't do.
He's busy from morning 'til way late at
night,
Just substituting for you.

You're asked to do this or asked to do
that,
And what is your ready reply?
Get SOMEBODY ELSE, Mister Chairman,
He'll do it much better than I.

There's so much to do in our service,
So much and the workers so few,
And SOMEBODY ELSE is getting weary
and worn,
Just substituting for you.

So, next time you're asked to do some-
thing worthwhile,
Just give them the honest reply,
If SOMEBODY ELSE can give time and
support,
You can bet your last dime,
So can I.

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